

Day 1 Wednesday, May 18, 2016

Time	Topic	Organization	Presenter	Description
7:00 - 8:30	Registration	PHMSA	Staff	Allow enough time to go through security.
8:30 - 9:00	Welcome, US DOT PHMSA	PHMSA OPS	Alan Mayberry, Deputy Associate Administrator for Policy and Programs, Office of Pipeline Safety Kenneth Lee, Director, Engineering & Research Division, Office of Pipeline Safety	Welcome and workshop overview.PHMSA's LNG regulatory agenda. Office of Pipeline Safety Perspective
9:00 - 9:20	National Association of Pipeline Safety Regulators (NAPSR) Perspective	NAPSR	Bob Schaeffgen, Inspector, Delaware Public Service Commission	State regulator perspective emphasis on existing peak-shavers. Inspection findings.
9:20 - 9:50	National Fire Protection Association (NFPA) 59A Committee Perspective	NFPA 59A Committee	Jay Jablonski, Vice President/General Manager, HSB Professional Loss Control; NFPA 59A Committee Chair	Overview of substantive changes since 2001 edition. Discuss path for PHMSA adoption of newer editions of NFPA 59A.
9:50 - 10:10	Public Perspective	Pipeline Safety Trust	Professor Sara Gosman, Vice President, PST Board of Directors	Discuss risk based siting and provide the public's concerns about LNG safety.
10:10 - 10:25	Break			
10:25 - 10:45	Emergency Responder Perspective	Gas Technology Institute (GTI)	Margaret Kaigh Doyle, GTI Senior Manager, LNG	Gain an understanding of the emergency responder's concerns about LNG safety and preparedness for response from trainer.
10:45 - 11:15	American Gas Association's (AGA) Supplemental Gas Committee (SGC) LNG Industry Perspective - Management of Older LNG Plants, Engagement in the Standards Making Process	American Gas Association (AGA)	Kevin Ritz, Sr. Engineering Technical Specialist, Baltimore Gas and Electric (BGE)	Managing operations, maintenance and modernization of older plants to CFR 49 Part 193. AGA SGC's engagement in the standards development process and efforts to promote incorporation by reference (IBR) of later editions of IBR standards.
11:15 - 11:45	Large Scale LNG Operator Perspective	Cheniere Energy	Pat Outtrim, Vice President Government Affairs, Cheniere Energy	Cheniere began exporting LNG this year. Discuss challenges of large scale plants face related to with regulation under CFR 49 Part 193.
11:45 - 1:00	LUNCH			
1:00 - 1:30	Small Scale LNG Industry Operator Perspective	Fortress Investment Group	Brannen McElmurray, Managing Director, Fortress Investment Group	Information on how the industry is evolving and the challenges small scale LNG operators face related to the regulation under CFR 49 Part 193.
1:30 - 2:30	LNG Technology Panel Perspectives	Industry	<ul style="list-style-type: none"> Greg Denton, Business Development Manager, GTT North America - membrane tanks Alan Hatfield, VP - LNG Technical Services, Braemar Engineering - Concrete Tanks Vogel Grote, Product Manager, Chart Industries - Vacuum jacketed pipe/other technologies 	Technologies incorporated since the 2001 edition of NFPA 59A (membrane and concrete tanks, and vacuum jacketed pipe)
2:30 - 2:45	Break			
2:45 - 3:15	PSE Marine Bunkering/Peak Shaving Project	Puget Sound Energy (PSE)	Jim Hogan, Consulting Project Manager, PSE	Discuss the challenges of locating and designing a small scale LNG plant for marine bunkering at shipping terminal.
3:15 - 3:30	US DOT PHMSA Office of Hazardous Materials LNG Update	PHMSA OHMS	Lad Falat, Director, Engineering & Research Division, Office of Hazardous Materials Safety	Hazmat LNG regulations. Update on LNG research.
3:30 - 4:15	Open Discussion	PHMSA	Facilitated by PHMSA Staff	Open discussion to gain input from public, industry, emergency responders. Webcast audience can email or Tweet their questions.
4:15 - 4:30	US DOT PHMSA Closing Remarks - Day 1	PHMSA OPS	Buddy Secor, Supervisory Engineer, Engineering & Research, Office of Pipeline Safety	Summarize key points and provide information for next day's meeting.

Day 2 Thursday, May 19, 2016

Time	Topic	Organization	Presenter	Description
7:00-8:30	Registration	PHMSA	Staff	Allow enough time to go through security.
8:30- 8:45	Welcome Day 2; LNG Incident Reports	PHMSA OPS	Kenneth Lee, Director, Engineering & Research Division, Office of Pipeline Safety	Discuss reported incidents since 2011, year reporting requirements began.
8:45 - 9:15	Williams Plymouth LNG Incident & Reconstruction	Williams Company	Von Studer, Williams Plymouth Plant Manager	Williams presentation about the incident, investigation, redesign/reconstruction and lessons learned.
9:15- 9:35	Incident Response to Williams Incident	Washington State, Benton County	Chief Lonnie Click, Fire Chief, Benton County Fire Protection District #1	Fire Chief to discuss incidence response and lessons learned.
9:35 - 10:15	Vapor Cloud Explosion Historical Incidents	Health & Safety Laboratory (HSL) UK	Dr. Graham Atkinson, Principal Scientist, Major Hazards Unit, HSL	Present research on major vapor cloud explosion incidents to improve understanding of vapor cloud development and explosion mechanism in order to more reliably assess risk of VCE at large scale LNG plants.
10:15- 10:30	Break			
10:30 - 10:55	Vapor Dispersion MEP Update	Health & Safety Laboratory (HSL) UK	Dr. Simon Gant, Principal Scientist, Fluid Dynamics Team, Mathematical Sciences Unit, HSL	Describe the recent revisions to the LNG vapor dispersion Model Evaluation Protocol (MEP), the update of the National Fire Protection Association's database of test data, and new procedure review of new editions of previously approved models.
10:55 - 11:25	Comparison of Exclusion Zone Calculations and Vapor Dispersion Modeling Tools	CH-IV International	Phil Suter, LNG Consultant, CH-IV International	Present preliminary findings from the R&D project comparing exclusion zones produced by various dispersion codes using the failure rate table for single accident leak sources (SALS).
11:25 - 11:50	Quantitative Risk Analysis (QRA)	Quest Consultants	Jeff Marx, Senior Engineer, Quest Consultants	Discuss QRA for siting and NFPA 59A Chapter 15's QRA.
11:50 - 1:00	LUNCH			
1:00- 1:20	Risk Based Siting for Small Scale LNG	DNV GL	Cheryl Stahl, Senior Principal Consultant, Environment & Navigation, DNV GL	Discuss what risk based approach to siting might entail.
1:20 - 1:50	Process Safety Management at LNG Plants	AcuTech	David Moore, President & CEO, AcuTech	Present how process safety has evolved since the original peak shavers were built in the 1970s and what gaps may exist today.
1:50- 2:30	Process Safety Management Program at Marine Export Terminal	Cameron LNG	Jamie Gray, Project Manager, Cameron LNG	Describe process safety management at Cameron.
2:30 - 2:45	Break			
2:45 - 3:45	Open Discussion	PHMSA	Facilitated by PHMSA Staff	Open discussion to gain input from public, industry, emergency responders. Webcast audience can email or Tweet their questions.
3:45 - 4:00	US DOT PHMSA Closing Remarks - Day 2	PHMSA OPS	Alan Mayberry, Deputy Associate Administrator for Policy and Programs, Office of Pipeline Safety	Summarize key points and discuss next steps.